



**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q77942

Toyohiko MITSUZAWA

Appln. No.: 10/686,772

Group Art Unit: 2861

Confirmation No.: 7752

Examiner: Shelby Lee FIDLER

Filed: October 17, 2003

For: PRINTING APPARATUS

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

The documents submitted herein are listed in an Office Action, mailed August 9, 2006, in U.S. Appln. 10/824,430, which is a continuation-in-part application of the present application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

09/01/2006 JADD01 00000012 10686772

01 FC:1806

180.00 OP

The present Information Disclosure Statement is being filed (without a Statement Under 37 C.F.R § 1.97(e)) after the later of three months from the application's filing date and the

**INFORMATION DISCLOSURE STATEMENT**  
**U.S. Appln. No.: 10/686,772**

**Q77942**

mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore a check for the fee of \$180.00 under 37 C.F.R. § 1.17(p) is attached.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following:

An English language abstract of JP 2000/326554: An English language translation of JP 2000/158735. And an English language translation of JP 9-262992:

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



Kevin C. Kunzendorf  
Registration No. 58,308

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: August 31, 2006

Substitute for Form 1449 A & B/PTO			<i>Complete if Known</i>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>			Application Number	10/686,772	
			Confirmation Number	7752	
			Filing Date	October 17, 2003	
			First Named Inventor	Toyohiko MITSUZAWA	
			Art Unit	2861	
			Examiner Name	Shelby Lee FIDLER	
Sheet	1	of	2	Attorney Docket Number	Q77942

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 5,988,784	A	11/23/1999	Takemura et al
		US 6,568,784	B2	05/27/2003	Izumi et al
		US 4,975,780		12/04/1990	K. Kuboki
		US 6,234,602	B1	05/22/2001	Soto et al
		US 6,530,647		03/2003	Kuboto et al
		US 6,196,736		03/2001	Otsuki et al
		US 6,439,684		08/2002	Yoshimura et al
		US 4,520,367		05/1985	Ishikawa et al
		US 6,467,867		10/2002	Worthington et al

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2000/326554	A	11/28/200	Minamiyama, Tomohiro	Abstract
		JP	2000-158735	A	06/13/2000	Seiko Epson Corporation	Yes
		JP	9-262992	A	10/07/1997	Canon, Inc.	Yes

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		W.G.McLean and E.W. Nelson, "Impulse and Momentum", Engineering Mechanics: Statics and Dynamic, 1952, Schaum Publishing Co., 2 <sup>nd</sup> edition, pg. 286	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.

(use as many sheets as necessary)

OSURE  
 ICANT  
 ssary  
 AUG 31 2006  
 PATENT & TRADEMARK OFFICE

Application Number	10/686,772
Confirmation Number	7752
Filing Date	October 17, 2003
First Named Inventor	Toyohiko MITSUZAWA
Art Unit	2861
Examiner Name	Shelby Lee FIDLER
Attorney Docket Number	Q77942

Sheet

2

of

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>1</sup> (if known)		
		US 6,769,759		08/2004	Yamasaki et al
		US 6,116,795		09/2000	Masashi Ogasawara
		US 6,641,224		11/2003	Heck et al
		US 5,216,442		06/1993	Parks et al
		US 5,793,397		08/1998	Barker et al
		US 6,905,186		06/2005	Toshiya Kojima
		US 6,789,872		09/2004	Ioke et al
		US 4,617,580		10/1986	Akira Miyakawa
		US			

[illegible][illegible]

**Examiner Signature**

**Date Considered**

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.